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February 29, 2016

VIA COURIER

Los Angeles Regional Water Quality Control Board 320 W. Fourth Street Suite 200 Los Angeles, CA 90013 Attn: Joshua Cwikla

Subject: Investigative Order No R4-2015-0300 – Supplemental Response 1

Mr. Cwikla:

On February 18, 2016, Southern California Gas Company ("SoCalGas") submitted a letter and attached a "Technical Report" in response to the Los Angeles Regional Water Quality Control Board's ("Regional Board") December 18, 2015 order (the "13267 Letter") to submit information related to the disposal of well drilling fluids, well completion fluids and well production fluids from SoCalGas's oil and gas operations in Los Angeles and Ventura County, California. In that response, we indicated that SoCalGas's investigation efforts were ongoing and that we would supplement our February 18, 2016 response and provide certain additional remediation closure reports. We are providing such supplemental information with this report.

Specifically, we are providing additional information in response to the following information requests contained in the 13267 Letter:

- Regional Board Request: 1) The locations of all current and historic sumps in your area of operations used in the discharge of fluids to land. Provide all information regarding liner material used with each sump, if any. Provide the status of all sumps, including active, inactive, closed with cleanup, closed without cleanup, or unknown. For sumps closed with cleanup, describe the cleanup activities and cleanup level.
- Regional Board Request: 2) The procedures you use to close or abandon sumps, or otherwise cease their operation.
- Regional Board Request: 6) The location of any domestic, municipal, and commercial water wells within a half-mile radius of any current or historic sump.

¹ The information and reports provided herein supplement SoCalGas's February 18, 2016 Technical Report.

With respect to Regional Board Request 1, we are submitting narratives regarding a number of historical sumps at the Aliso Canyon Gas Storage Facility (the "Facility") along with information in the form of Attachment B to the 13267 Letter. We are also submitting a October 2007 report from Eco Environmental Associates ("Eco"), which investigated "abandoned oil field sumps" designated 14 through 23 within the western portion of the Facility.

With respect to Regional Board Request 2, we are providing a "Draft Remediation Closure Report" for Sumps 15, 21, and 22 and a summary report of remediation efforts at Sump 2, each prepared by Eco.

With respect to Regional Board Request 6, as discussed in our February 18, 2016 Technical Report, SoCalGas engaged a third party consultant (Geosyntec) to determine whether or not any domestic, municipal, and commercial water wells existed within ½ mile of the Facility. Geosyntec reviewed available historical aerial photographs, topographic maps, and Department of Water Resources and Regional Board databases for indications of past or existing groundwater wells near the Facility. No groundwater wells were identified within ½ mile of the Facility, with the exception one well plotted on a 1979 topographic map approximately ¼-mile north of the northern Facility boundary. The well, if still present, would be located north of the topographic divide, and would not share the same watershed as the Facility.

Please note that SoCalGas's investigation efforts are ongoing. The response set forth herein and the attached documents provided are based upon the information available to SoCalGas at the time of this submittal. SoCalGas may supplement this response with additional information regarding historical sumps at the Facility. SoCalGas is also continuing to investigate whether or not there are other historical sumps at its other Los Angeles County storage facilities and will provide additional responsive information if uncovered.

Furthermore, continued investigation may cause our February 18, 2016 response or this response to be incomplete or subject to amendment or modification. SoCalGas, therefore, reserves its right to amend or further supplement the February 18, 2016 response or this response and submit additional documents in the event of new or additional information and/or changed circumstances.

Sincerel	у,
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Amy Kitson

Enclosures

Certification Statement

I, Amy Kitson, certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of the those individuals immediately responsible for obtaining the information, I believe that the information is true and accurate. SoCalGas is continuing its investigation to ensure the information is complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Johnne of Soil Excavated		5776							-							266.71				156.1	13,987.06		
Class on Calanda		The project cleanup levels for petroleum hydrocarbons s were as follows: • TPH in the C4-C12 range - 100 milligrams per kilogram (mg/kg) • TPH in the C13-C20 range - 1,000 mg/kg • TPH in the C23-C40 range - 10,000 mg/kg These targeted cleanup levels were based on those established by the Regional Water Quality Control Board (RWQCB) for general remediation of TPH-impacted soils.													In project cleanup levels for petroleum hydrocarbons were as follows: • The hi the C4-C12 range - 100 milligrams per kilogram (mg/kg) • TPH in the C13-C22 range - 1,000 mg/kg	They in the C23-C40 range - 10,000 mg/kg These target defaunt levels were based on those established by the Regional Water Quality Control Board (RWQCB) for general remediation of TPH-impacted soils.				The project cleanup levels for petroleum hydrocarbons were as follows: • TPH in the C4-C12 range - 100 milligrams per kilogram (mg/kg) • TPH in the C13-C32 range - 1,000 mg/kg • TPH in the C23-C40 range - 10,000 mg/kg These targeted cleanup levels were based on those established by the Regional Water Quality Control Board (RWQCB) for general remediation of TPH-Impacted soils.	The project cleanup levels for petroleum hydrocarbons were as follows: • TPH in the C4-C12 range - 1.00 milligrams per kilogram (mg/kg) • TPH in the C13-C22 range - 1,000 mg/kg • TPH in the C23-C40 range - 10,000 mg/kg • TPH in the Regional water deanup levels were based on those established by the Regional Water Quality Control Board (RWQCB) for general remediation of TPH-impacted soils.		
	No remedial activities identified	Three drums found in the sump were extricated and disposed. One drum contained about 5 gallons wo of sludge. Following removal of the drums soil samples were collected and analyzed for PH, metals, SVOCS (semi-volatile organic compounds). VOCs, PCBS (polychlorinatedbiphenyls) and pH. No analytes in the soil were found in exceedance of TH the CRWQCB (1996) or USEPA (1998) screening by criteria. The sump was remediated in 2010. The offinal excavation area covered an area of final excavation area covered an area of petween 25 and 31 feet.	One drum found in the sump was extricated and disposed. One drum contained about 5 gallons of sludge. Following removal of the drums soil samples were collected and analyzed for TPH, metals, SVOCs, VOCs, PCBs and pH. No analytes in the soil were found in exceedance of the CRWQCB (1996) or USEPA (1998) screening criteria.	No remedial activities identified		No remedial activities identified	No remedial activities identified	No remedial activities identified	No remedial activities identified	No remedial activities identified	No remedial activities identified	No remedial activities identified	°N	No remediation recommended	Upper three feet of soil exceeded regulatory leve for petroleum hydrocarbons, metals and VOCs. Then excavation covered approximately 3,000 square feet of area. The excavation's depth variote between 2.6 and 3.2 feet. A relatively small portic	of this sump's northern area was not excavated due to the presence of filled water and oil tanks.	none	none	No remediation was recommended	excavation's depth varied between 18 and ches. The final excavation covered oximately 2,500 square feet of area.	TPH and VOC impacted soil was removed, The depth of this excavation extended up to 20.5 feet, and covered an area of approximately 13,956 square feet	No remediation was recommended May have been remediated May have been remediated	Appears to have been remediated in 2003
	Only one analyte was detected in one sample at an elevated concentration (arsenic at 14.4 mg/kg; PKG=2.4 mg/kg).	Elevated TPH detected in three samples from two trenches (maximum TPH-D at 25,900 mg/kg, CRWQCB threshold = 10,000 mg/kg).	One PAH (benzo (a) pyrene was identified at 0.74 mg/kg (PRG = 0.26mg/kg)	PAHs (benzo (a) pyrene and dibenzo(a,h) anthracene) were found to exceed their respective	PRGS. No samples analyzed	All analytes measured in the samples collected in Sump 6 were below the CRWQCB (1996) and USEPA thresholds and was therefore not remediated.	All analytes measured in the samples collected in suspected Sump 7 were below the CRWQCB (1996) and USEPA thresholds and was therefore not remediated.	All analytes measured in the samples collected in Sump 8 were below the CRWQCB (1996) and USEPA thresholds and was therefore not remediated.	All analytes measured in the samples collected in Sump 9 were below the CRWQCB (1996) and USEPA thresholds and was therefore not remediated.	Samples were analyzed for TPH and found to be below CRWQCB (1996) thresholds.	No analytes exceeded CRWQCB (1996) thresholds or USEPA PRGs.	N/A	All analytes measured in the samples collected in Sump 9 were below the CRWQCB (1996) and USEPA thresholds and was therefore not remediated.	The TPH and VOC concentrations within soil samples collected from this sump are below the RWQCB screening levels. The reported metal concentrations in these soil samples were below their respective CHHSLs (for industrial settings).	The upper three feet of soil within Sump 15 was found to contain petroleum hydrocarbons, metals, and VOCs. The TPH (C13-C22 range) and	benzene concentrations within these upper soils exceeded regulatory cleanup levels.	N/A	N/A	The TPH and VOC concentrations within soil samples collected from this sump are below the RWQCB screening (levels. The reported metal concentrations in these soil samples were below their respective CHHSLs (for industrial settings).		TPH and VOC concentrations reported in soil samples collected from Sump 22	The TPH and VOC concentrations within soil samples collected from this sump are below the RWQCB screening levels. The reported metal concentrations in these soil samples were below their respective CHHSLs (for industrial settings).	
	Samp mesagaran	es (es	¥d.		yes Could not be definitively located and were therefore not investigated		Could not be definitively located and were therefore not investigated. One trench was however excavated and sampled in the suspected sump area.	4.	Res	yes	Yes, Sump could not be definitively located. Suspect area (was investigated but no analytes exceeded CRWQCB thresholds or not a many and or not a many and or not a many o	Could not be definitively located and were therefore not investigated	sak	Say	Yes		Not investigated due to inaccessibility	Not investigated due to inaccessibility Not investigated due to	ria vez essalariny Pess	sak	yes	sak	
Sump Liner		пкломп	, and a second		unknown	unknown	unknown	unknown	un known	unknown		unknown unknown	unknown	unknown	unknown		unknown	unknown	ru known	unknown	unknown	unknown unknown	unknown
Status		nactive	active		nactive	active	active	active	nactive	nactive		nactive	nactive	nactive		nactive	nactive	nactive	nactive	nactive	nactive	nactive Inactive Inactive	nactive
Sump	T dental	Sump 2	3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Sump 4	Sump 6	Sump 7	Sumus 8	6 auns	Sump 10		Sump 12	Sump 13	Sump 14		Sump 15 Ir			Sump 20	Sump 21	Sump 22		Sesnon Fee 2 and 2A (SF2 and SF2A)
į	Solomy And Solomy	LOS Angeles	Oc Angeliec	100	Los Angeles Los Angeles	Los Angeles	Los Angeles	Los Angeles	Los Angeles	Los Angeles		Los Angeles	Los Angeles	Los Angeles		Los Angeles	Los Angeles Los Angeles	Los Angeles	Los Angeles	sajambi so Yukejes	Los Angeles	Los Angeles Los Angeles Los Angeles	Los Angeles
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Owner and/or	v Some sado	Social Gass	. segledos		SoCalGas /	SoCalGas	SoCalGas	SoCalGas	Socalcas	SoCalGas		SoCalGas	SoCalGas	SocalGas		SoCalGas		SoCalGas	SocalGas	SoCalGas	SocialGas	Socializas Socializas Socializas Socializas	

Example for Each Sump

									T T		Was Sump		4		
											filled with Soi	1			
								How Many Years	Total Annual		or Other			Was There	If Yes, What Was
(Current) Owner					Sump Location		When Was the Sump (First)		Amount of Fluid		Material?	When Was the Sump	What Material Was Used to Fill the	Solidified Waste?	the Composition
and/or Operator	Field Name	County	Sump Name/Description	Description	Latitude Longitude	(LxWxD) Sump Volume in ft.3	Excavated	Active	Discharged in bbls.	Composition of Fluid(s) 1	(Yes/No)	Filled?	Sump?	(Yes/No)	those Solids?
outhern	1 Kill Palik	County	Sump transcription	The sump is evident in photos from 1949 and 1954. Based on site reconnaissance and		Based on aerial photographs 80 x 150. Limey	Pothole trench excavated								
alifornia Gas	í			trenching data, the sump cavity was excavated in bedrock, and once filled, covered with			in 1997							1	
	1			locally derived material. Located approximately 210 feet southeast of an oil well known		surface (bgs)	100,00000								
ompany oCalGas)	Alias Camusa	l as Angeles	Summa 1	as "Standard Sesnon 24".				Unknown	Unknown		unknown	Unknown	Covered with locally derived material	none encounterer	d
ocaidas)	Aliso Canyon	Los Angeles	Sump 1	Sump 2 is positioned on a relatively flat pad near the oil well know as "Standard Sesnon		Based on aerial photographs 80 x 100.							3 buried 55 -gallon drums were found		
	į.			Sump 2 is positioned on a relatively flat pad flear the off well know as Standard Sestion		However, the final remediation excavation							and removed. Upper 4.5 feet		
	(1.5	5.									contained fill soil and scattered		
-	i -					area covered an area of approximately 13,060							debris. Surficial material was		
1	í.					square feet to a depth of between 26 and 31							underlain by stained soils and drilling		Drilling muds
1	Ĺ					feet.	Exploratory trenching				V	Uniteration	muds	Vas	
CalGas	Aliso Canyon	Los Angeles	Sump 2				excavated in 1996.	Unknown	Unknown		Yes	Unknown	One buried 55-gallon drum was	res	encountered
				Sump identified with some degree of uncertainty as absolute evidence of a sump was no	/t	Siltstone bedrock encountered at 6 feet bgs					8				
1	(identified during field investigations.									found and removed. Fill soil was		
	(March 1994 (1994)	2000	1970000				encountered from ground surface to		
CalGas	Aliso Canyon	Los Angeles	Sump 3				Drums extracated in 1997.	Unknown	Unknown		Yes	Unknown	about 6 feet bgs.	none encountered	d
1	(Soils from trenching and exploratory		
			Based on available data the apparent location of the sump is north of an oil well known									borings indicated the presence of			
	(as "Fernando Fee 11". Groundwater was encountered at 19 feet bgs during a 1997									stained and unstained soils within the		
	([5] A. J. M.			Exploratory trench						top 21 feet, with drilling muds		Drilling muds
a wa	land the second	20 00 00		investigation. During a subsequent investigation no groundwater was encountered and			excavated in 1997	Unknown	Unknown		Yes	Unknown	identified at 15-18 bgs.	Yes	encountered
oCalGas .	Aliso Canyon	Los Angeles	Sump 4	therefore it was estimated that the water was perched transient water.			excavated in 1997	UNKNOWN	Ulkilowii		163	OTIKITOWIT	identified at 15 16 bgs.	103	Cricountered
					1	The suspected sump was not identified							1		1
	(through aerial photos, site reconnaissance	of 25 60 97 10	1				-			
	(mapping or geophysical surveying.	Exploratory trench								J
CalGas	Aliso Canyon	Los Angeles	Sump 5	Not definitively identified			excavated in 1997	Unknown	Unknown		unknown	Unknown	N/A	none encountered	d
					T	Based on aerials 60 x 110. Siltstone bedrock									
	Ĺ					encountered at 8 feet bgs		-					Fill soils, were encountered from		
	(The sump is positioned on top of a southwest-trending ridgeline that extends about 500	.								surface to a depth of approximately 8		
	(11/4	Evaleratory transh						feet bgs, where siltstone bedrock was		
				feet southwest of an oil well known as "Porter 32". There is limited access to the sump			Exploratory trench excavated in 1997	Unknown	Unknown		unknown	Unknown		none encountered	d
oCalGas	Aliso Canyon	Los Angeles	Sump 6	area.			excavated in 1997	Unknown	Unknown		Unknown	OTIKITOWIT	encountered.	none encountered	<u> </u>
	(unknown				1			Unstained fill soil encountered in		
	(-37	Two exploratory pothole			1					
	(Not definitively identified. Aerial photography and field reconnaissance efforts could not	t		trenches excavated in			(10000	trenches in about top 1-2 feet, where		1
oCalGas	Aliso Canyon	Los Angeles	Sump 7	confirm the presence of a sump.			1997	Unknown	Unknown		unknown	Unknown	siltstone bedrock was encountered.	none encountered	d
						35 x35 (west) and 25 x 25 (east). Siltstone				(
	(bedrock encountered at 11 feet bgs in west				(Concrete debris encountered from		
	(sump, 3 ft. bgs in east sump.				1			surface to 1 foot bgs, unstained fill		
	(S		samp, 5 tt. bgs in cast samp.	One exploratory trench			1	S DT A B		soil was encountered from 1 to 11		
	(Sump presence was confirmed by research and field work. The sump actually consists of			excavated in each sump in			1			feet bgs (west). Unstained fill soil (0-3		
100		7.8		two adjacent, but physically distinct sumps, are referred to as the eastern and western					Unknown	i	unknown	Unknown	feet)	none encountered	d
oCalGas	Aliso Canyon	Los Angeles	Sump 8	sumps.			1997	Unknown	Unknown		Unknown	Ulikilowii	Light brown coble silt (fill)	none encountered	u u
				Location of the sump was confirmed by aerial photos, however actual field evidence of			Exploratory trench			(Distance of the second			4
oCalGas	Aliso Canyon	Los Angeles	Sump 9	sump materials was not found.		feet bgs	excavated in 1997	Unknown	Unknown		unknown	Unknown	encountered to 12 bgs	none encountered	d
						60 x 85	Two exploratory pothole			(
	1						trenches excavated in			l .			Sandy silt to total depth of potholes		
oCalGas	Aliso Canyon	Los Angeles	Sump 10	The location not confirmed, albeit confirmed on aerial photographs.			1996	Unknown	Unknown	(unknown	Unknown	(12-15 bgs)	none encountered	d
ocaidas	Aliso Carryon	LO3 Aligeres	Sump 10	The location not committed, about committed on containing photographic		55 x 220. Sandstone encountered at 12 bgs	Exploratory trenching								
	A1: 6		S 11	The sump is apparent in 1949 and 1954 aerials, with no immediately adjacent oil wells.		55 // 2201 5411415115 51115	performed in 1996	Unknown	Unknown	1	unknown	Unknown	Silty sand and silty sand talus debris.	none encountered	d
oCalGas	Aliso Canyon	Los Angeles	Sump 11	Not definitively identified. Estimated to be in the general vicinity of an oil well known as		unknown	Periodical								
Married Total	Land Barrier				(4) P	dikilowii	unknown	Unknown	Unknown	() See the second		Unknown	unknown	none encountered	d
oCalGas	Aliso Canyon	Los Angeles	Sump 12	"Porter 42"				Ulkliowii	OTIKITOWIT			O I I I I I I I I I I I I I I I I I I I		The state of the s	
				Sump 13 is positioned on a relatively flat pad near the oil well know as "Porter Sesnon		35 x 75	Exploratory trenching			i -		(Coloresco)			
6.16				20".			performed in 1996	Unknown	Unknown			Unknown			
oCalGas	Aliso Canyon	Los Angeles	Sump 13										brown sandy silt, few black oil stained		
oCalGas	Aliso Canyon	Los Angeles	Sump 13	Sump located within a relatively level area on upper portion of hill, south of oil well and		11,717 square feet	Exploratory trenching			l .		B00000	A STATE OF THE PROPERTY OF THE		8
				Sump located within a relatively level area on upper portion of hill, south of oil well and		11,717 square feet	Exploratory trenching performed in 2006	Unknown	Unknown			Unknown	nodules	none encountered	d
		Los Angeles Los Angeles	Sump 14	Sump located within a relatively level area on upper portion of hill, south of oil well and pad				Unknown	Unknown			Unknown	A DESCRIPTION OF THE PROPERTY		d
				pad		11,717 square feet 11,127 square feet	performed in 2006	Unknown	Unknown			Unknown	A DESCRIPTION OF THE PROPERTY		d
o Cal Gas	Aliso Canyon	Los Angeles	Sump 14	pad Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt -			performed in 2006 SoCalGas performed soil					Unknown	nodules		d
o Cal Gas				pad		11,127 square feet	performed in 2006		Unknown				nodules silty clay, some black stained oil nodules, bentonite		d
o Cal Gas	Aliso Canyon	Los Angeles	Sump 14	pad Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1			performed in 2006 SoCalGas performed soil removal activates in 2008						nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with		d
oCalGas oCalGas	Aliso Canyon	Los Angeles Los Angeles	Sump 14 Sump 15	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt -		11,127 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching	Unknown	Unknown			Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles	Sump 14 Sump 15 Sump 16	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1		11,127 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006	Unknown	Unknown			Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with		d
oCalGas oCalGas oCalGas	Aliso Canyon	Los Angeles Los Angeles	Sump 14 Sump 15	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt -		11,127 square feet 6,652 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown	Unknown Unknown Unknown	Unknown Unknown Unknown			Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles	Sump 14 Sump 15 Sump 16	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1		11,127 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown unknown	Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown			Unknown Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles	Sump 15 Sump 16 Sump 17 Sump 18	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump was inaccessible		11,127 square feet 6,652 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown	Unknown Unknown Unknown	Unknown Unknown Unknown			Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles	Sump 15 Sump 16 Sump 17	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump was inaccessible Sump was inaccessible Sump was inaccessible		11,127 square feet 6,652 square feet 16,480 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown unknown	Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown			Unknown Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles	Sump 15 Sump 16 Sump 17 Sump 18	pad Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump was inaccessible Sump was inaccessible Sump was inaccessible Sump 20 is located within a relatively level area just below a cut slope A light growth of		11,127 square feet 6,652 square feet 16,480 square feet 8,937 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown unknown	Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown			Unknown Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles	Sump 15 Sump 16 Sump 17 Sump 18	pad Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump was inaccessible Sump was inaccessible Sump was inaccessible Sump 20 is located within a relatively level area just below a cut slope A light growth of grass and brush covers this sump area. There		11,127 square feet 6,652 square feet 16,480 square feet 8,937 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown unknown	Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown			Unknown Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles	Sump 15 Sump 16 Sump 17 Sump 18	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump was inaccessible Sump was inaccessible Sump was inaccessible Sump 20 is located within a relatively level area just below a cut slope A light growth of grass and brush covers this sump area. There are no visual indications of the former sump location other than the flat-lying pad and a		11,127 square feet 6,652 square feet 16,480 square feet 8,937 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown unknown	Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown			Unknown Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles	Sump 15 Sump 16 Sump 17 Sump 18	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump was inaccessible Sump was inaccessible Sump was inaccessible Sump 20 is located within a relatively level area just below a cut slope A light growth of grass and brush covers this sump area. There are no visual indications of the former sump location other than the flat-lying pad and a northern cut slope. Stained soil or possible oil seepage was not encountered within or		11,127 square feet 6,652 square feet 16,480 square feet 8,937 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown unknown unknown	Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown			Unknown Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles	Sump 14 Sump 15 Sump 16 Sump 17 Sump 18 Sump 19	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump was inaccessible Sump was inaccessible Sump was inaccessible Sump 20 is located within a relatively level area just below a cut slope A light growth of grass and brush covers this sump area. There are no visual indications of the former sump location other than the flat-lying pad and a		11,127 square feet 6,652 square feet 16,480 square feet 8,937 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown unknown Exploratory trenching performed in 2006 unknown unknown	Unknown Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown Unknown			Unknown Unknown Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles	Sump 14 Sump 15 Sump 16 Sump 17 Sump 18 Sump 19	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump was inaccessible Sump was inaccessible Sump was inaccessible Sump 20 is located within a relatively level area just below a cut slope A light growth of grass and brush covers this sump area. There are no visual indications of the former sump location other than the flat-lying pad and a northern cut slope. Stained soil or possible oil seepage was not encountered within or adjacent to this sump location.		11,127 square feet 6,652 square feet 16,480 square feet 8,937 square feet 13,226 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown unknown Exploratory trenching performed in 2006	Unknown Unknown Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown Unknown Unknown			Unknown Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
oCalGas oCalGas oCalGas oCalGas oCalGas	Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon Aliso Canyon	Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles Los Angeles	Sump 14 Sump 15 Sump 16 Sump 17 Sump 18 Sump 19	Sump 15 is located approximately 180 feet north of a well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump 16 is located near the well referred to as 'Orcutt - Del Aliso - Sesnon 1' # 1 Sump was inaccessible Sump was inaccessible Sump was inaccessible Sump 20 is located within a relatively level area just below a cut slope A light growth of grass and brush covers this sump area. There are no visual indications of the former sump location other than the flat-lying pad and a northern cut slope. Stained soil or possible oil seepage was not encountered within or		11,127 square feet 6,652 square feet 16,480 square feet 8,937 square feet	performed in 2006 SoCalGas performed soil removal activates in 2008 Exploratory trenching performed in 2006 unknown unknown Exploratory trenching performed in 2006 SoCalGas performed soil	Unknown Unknown Unknown Unknown Unknown Unknown	Unknown Unknown Unknown Unknown Unknown			Unknown Unknown Unknown Unknown Unknown	nodules silty clay, some black stained oil nodules, bentonite Brown to olive brown silty clay with abundant gravel- to cobble-size		d
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